

## **Tearfund Baseline survey information – Submitted to OFDA Nov 05, 2015**

### **AID-OFDA-G-15-00200 - Project running August 01, 2015 - July 31, 2016.**

#### **Introduction**

Tearfund conducted a baseline survey for WASH-related activities in the Central Darfur localities of Nertiti and Umdukum in July 2015. The data collected has been used to set targets for the indicators required for the AID-OFDA-G-15-00200 - Project running August 01, 2015 - July 31, 2016. This short report provides some accompanying narrative to the baseline data, highlighting the key findings/issues worth noting. For all of the surveys conducted the respondents were selected randomly. To ensure that responses were representative of the larger community we based the survey on the total number of the beneficiaries and we designed the sample size which is represent the larger community,

An excel spreadsheet showing the baseline data and target for each indicator is attached.

**Nertiti WASH results:** 401 respondents were interviewed, these were split between the two localities of Central Jabel Marra (198) and Western Jabel Marra (203) which covered the areas of Golo, Gumi Gildo (Nertiti ) because these are new intervention areas for OFDA 2015. More than 80 per cent of respondents were female, the decline of male-headed households is likely to be the result of civilian strife and civil unrest. Some of the key findings show:

- The treatment of drinking water at home is practised by less than 10 per cent of respondents; the few that do treat their water will use the filter by cloth - screen - sand method.
- It takes more than 60 per cent of respondents more than 1 hour to access drinking water from source, which demonstrated the accessibility challenges households face
- The availability of soap by a latrine remains a rarity for communities as more than 70 per cent still do not have access to soap and only 16 per cent admitted to using water alone to clean their hands
- Knowledge of the causes of diarrhea is poor; less than 20 per cent understand that dirty hands are a cause. More work is needed in hygiene education so that all communities are aware of the real dangers. For example breastfeeding and overeating are perceived as causes yet this has an impact on nutritional outcomes
- More than 80 per cent of participants had not participated in hygiene education campaigns demonstrating a gap in the delivery of information to these households

**Umdukhum WASH results:** 378 respondents were surveyed across 6 areas/villages; the majority of respondents were female (97 per cent). The villages/areas were chosen based upon access to villages, existing Tearfund programming in other sectors, and verified needs based on a needs assessment. Some key points to highlight include:

- Methods used by respondents for treating drinking water appropriately are very poor. For instance there are low percentages for treating with chlorine (1.1 per cent) or boiling water (0.3 per cent). Yet chlorine is a readily available resource in Umdukhum. The issue is informing households of its essential use in treating water
- More than 80 per cent of interviewees explained that they had not attended any hygiene education classes, clean up campaigns or community meetings on cleaning water points
- The majority of homes (92 per cent) do not have a latrine available in their homes, which is why 85 per cent of respondents admitted to openly defecating in the field
- More than half of respondents continue to dispose of waste by throwing in the street

Overall the general trends in the results from both baseline surveys demonstrate the need for Tearfund to deliver WASH activities that have an impact in improving access to safe clean water and educating beneficiaries on safer hygiene practices. Children are particularly vulnerable to diarrhoea

In regards to East Darfur – a baseline survey was carried out in June 2015 however unfortunately the documents were lost before analysis was done therefore no data on the baseline is available to report. A repeat baseline was thus requested from HAC following the loss. Permission was only granted in mid-October and the survey carried out at the end of the month. The additional data will therefore be submitted in the next quarter report. The situation has been explained to the OFDA office in Khartoum.

## **Nutrition baseline summary**

Tearfund carries out annual SMART Nutrition Surveys in conjunction with the State Ministry of Health and the Humanitarian Aid Commission. The above data utilises data from the Nertiti 2015 survey. The current award does not include Nutrition programming in Umdukhun or East Darfur.

The majority of the indicators are output level indicators, from which we would start from 'zero. These have been indicated with a '0' in the relevant baseline box for that indicator.

There are currently two nutrition centers in Nertiti town, in North & South IDP Camps, which will continue to be supported by OFDA alongside the linked Stabilisation Centre. The project will establish two new nutritional feeding and treatment centers, one in Golo town, and one mobile feeding centre in Nertiti, including Supplementary feeding, Outpatient care and nutrition outreach work in the surrounding community of IDPs.

Rates of admission, default, death, cure, relapse, non-response rate have been calculated from the previous OFDA award (AID-OFDA-G-14-00106) over a 12 month period – 01 July 2014 to 30 June 2015 to take account of annual fluctuations in disease prevalence rates, and the implications of harvest season upon beneficiaries returning for follow up appointments, and on the wider Sudan Liberation Army (SLA)/Sudan Armed Forces conflict and any subsequent displacement.

Baseline statistics for Exclusive Breast Feeding have been added from the 2014 Nutrition KAP survey in Nertiti. These however may not accurately reflect conditions in Guildo and Golo in Upper Jebel Marra, where a proper SMART assessment has not taken place for these indicators to due security and permit restrictions. However we have been given permission to run the new Nutrition Centre and this has not been problematic during the first few months of the project.

**Central Darfur Nertiti WASH Data**

Name of the locality		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Central Japel Mara	198	49.4	49.4	49.4
	Western Japel Mara	203	50.6	50.6	100.0
	Total	401	100.0	100.0	

Name of the area surveyed		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Golo	215	53.6	53.6	53.6
	Gildo	163	40.6	40.6	94.3
	Gurni	23	5.7	5.7	100.0
	Total	401	100.0	100.0	

Name of the village or the camp		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Golo/ hey Alsoug	19	4.7	4.7	4.7
	Gildo/ Hey Barbara	43	10.7	10.7	15.5
	Gildo/Japel Mouya	18	4.5	4.5	20.0
	Gildo/Alirshad	48	12.0	12.0	31.9
	Gildo/Jertanga	24	6.0	6.0	37.9
	Gildo/Hey Almaglis	30	7.5	7.5	45.4
	Gurni	23	5.7	5.7	51.1
	Golo	36	9.0	9.0	60.1
	Golo/Hey Sagata	6	1.5	1.5	61.6
	Golo/Hey Taringa	12	3.0	3.0	64.6
	Golo/Alsadaga	60	15.0	15.0	79.6
	Golo/Golo Alshimalya	18	4.5	4.5	84.0
	Golo/Althawra Wasat	34	8.5	8.5	92.5
	Golo/Hey Alsad Alaali	12	3.0	3.0	95.5
	Golo/ Golo Alshargya	18	4.5	4.5	100.0
	Total	401	100.0	100.0	

**Sex of the interviewee**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	47	11.7	11.7	11.7
	Female	354	88.3	88.3	100.0
	Total	401	100.0	100.0	

**Sex of the HH head**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	75	18.7	18.7	18.7
	Female	326	81.3	81.3	100.0
	Total	401	100.0	100.0	

**Source of the drinking water**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Well with hand pump	209	52.1	52.1	52.1
	Well with concrete apron	7	1.7	1.7	53.9
	Water yard	26	6.5	6.5	60.3
	Traditional well	137	34.2	34.2	94.5
	Wadi	12	3.0	3.0	97.5
	Hafir/pond	10	2.5	2.5	100.0
	Total	401	100.0	100.0	

**Source of the drinking water \* Name of the area surveyed Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
Source of the drinking water	Well with hand pump	175	31	3	209
	Well with concrete apron	1	6	0	7
	Water yard	1	23	2	26
	traditional well	16	103	18	137
	Wadi	12	0	0	12
	Hafir/pond	10	0	0	10
Total		215	163	23	401

**Time taken by HH member to get drinking water from the source**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	less than 30 minutes	37	9.2	9.2	9.2
	30 minute - 1 hour	99	24.7	24.7	33.9
	1 - 2 hours	162	40.4	40.4	74.3
	More than 2 hours	103	25.7	25.7	100.0
	Total	401	100.0	100.0	

**Time taken by HH member to get drinking water from the source \* Name of the area surveyed Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
Time taken by HH member to get drinking water from the source	less than 30 minutes	19	16	2	37
	30 minute - 1 hour	22	70	7	99
	1 - 2 hours	90	59	13	162
	More than 2 hours	84	18	1	103
Total		215	163	23	401

**Interviewee treat drinking water at home**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	36	9.0	9.0	9.0
	No	365	91.0	91.0	100.0
	Total	401	100.0	100.0	

**Interviewee treat drinking water at home \* Name of the area surveyed**

**Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
Interviewee treat drinking water at home	Yes	10	20	6	36
	No	205	143	17	365
Total		215	163	23	401

**Methods used by interviewee for drinking water treatment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	365	91.0	91.3	91.3
	Filter by cloth - screen - sand	23	5.7	5.8	97.0
	Boiling the water	3	.7	.8	97.8
	Solar use	2	.5	.5	98.3
	seeds use (Moringa seeds)	1	.2	.3	98.5
	use chlorine	6	1.5	1.5	100.0
Total		400	99.8	100.0	
Missing	99	1	.2		
Total		401	100.0		

**Interviewee attended hygiene education during the last year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	70	17.5	17.5	17.5
	No	331	82.5	82.5	100.0
Total		401	100.0	100.0	

**Interviewee attended hygiene education during the last year \* Name of the area surveyed**

**Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
Interviewee attended hygiene education during the last year	Yes	26	40	4	70
	No	189	123	19	331
Total		215	163	23	401

#### Hygiene education sessions attended by the respondents

	Frequency	Percent	Valid Percent
Water safety	22	5.5	5.5
optimum use of latrine	26	6.5	
Hands washing	32	8.0	8.0
Diarrhea prevention	17	4.2	4.2
Solid waste management	28	7.0	7.0
Malaria causes and prevention	4	1.0	1.0
Food safety	2	0.5	0.5

#### Member of the HH suffered diarrhea in the last 3 months

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	303	75.6	75.6	75.6
No	98	24.4	24.4	100.0
Total	401	100.0	100.0	

#### HH member who has suffered diarrhea in the last 3 months

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Not applicable	89	22.2	22.3	22.3
Man	18	4.5	4.5	26.8
women	68	17.0	17.0	43.9
Child	224	55.9	56.1	100.0
Total	399	99.5	100.0	
Missing 99	2	.5		
Total	401	100.0		

**Member of the HH suffered diarrhea in the last 3 months \* Name of the area surveyed Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
Member of the HH	Yes	163	118	22	303
suffered diarrhea in the	No	52	45	1	98
last 3 months					
Total		215	163	23	401

**Interviewee attended hygiene education during the last year \* Member of the HH suffered diarrhea in the last 3 months Cross tabulation**

Count

		Member of the HH suffered diarrhea in the last 3 months		Total
		Yes	No	
Interviewee attended	Yes	50	20	70
hygiene education during	No	253	78	331
the last year				
Total		303	98	401

**Interviewee treat drinking water at home \* Member of the HH suffered diarrhea in the last 3 months Cross tabulation**

Count

		Member of the HH suffered diarrhea in the last 3 months		Total
		Yes	No	
Interviewee treat drinking	Yes	29	7	36
water at home	No	274	91	365
Total		303	98	401



**Source of the drinking water \* Member of the HH suffered diarrhea in the last 3 months**

**Cross tabulation**

Count

		Member of the HH suffered diarrhea in the last 3 months		Total
		Yes	No	
Source of the drinking water	Well with hand pump	152	57	209
	Well with concrete apron	4	3	7
	Water yard	18	8	26
	traditional well	109	28	137
	Wadi	11	1	12
	Hafir/pond	9	1	10
Total		303	98	401

**respondent does not know the causes of diarrhea**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	221	55.1	55.1	55.1
	No	180	44.9	44.9	100.0
	Total	401	100.0	100.0	

**Interviewee doesn't know the causes of diarrhea \* Name of the area**

**surveyed Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
Interviewee doesn't know the causes of diarrhea	Yes	138	75	8	221
	No	77	88	15	180
Total		215	163	23	401

**Causes of diarrhea mentioned by the respondents**

	Frequency	Percent	Valid Percent
Not washing hands	79	19.7	19.7
Flies	58	14.5	14.5
worms	25	6.2	6.2
Dirty/uncovered food	62	15.5	15.5
Dirty/uncovered water	95	23.7	23.7
Sickness comes from God	37	9.2	9.2
Breastfeeding	14	3.5	3.5
Overeating	16	4.0	4.0
Malaria and other sickness	21	5.2	5.2

**I don't know how to prevent diarrhea**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	214	53.4	53.4	53.4
No	187	46.6	46.6	100.0
Total	401	100.0	100.0	

**I don't know how to prevent diarrhea \* Name of the area surveyed Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
I don't know how to prevent diarrhea	Yes	129	77	8	214
	No	86	86	15	187
Total		215	163	23	401

Methods mentioned by the respondents for diarrhea prevention

	Frequency	Percent	Valid Percent
Keep food covered	89	22.2	22.2
Clean raw food before eating	97	24.2	24.2
Hands washing	91	22.7	22.7
Drink water from hand pump, tap or treated water	34	8.5	8.5
Store water in covered container	45	11.2	11.2
Use latrine and keep it clean	20	5.0	5.0
Proper disposal of solid waste	24	6.0	6.0
Prevent flies	42	10.5	10.5
Exclusive breastfeeding	17	4.2	4.2
Good personal hygiene	47	11.7	11.7
Proper disposal of children feces	18	4.5	4.5
Diarrhea can't be prevented	4	1.0	1.0

**Times respondents washes his/her hands**

	Frequency	Percent	Valid Percent
After using a toilet	152	37.9	37.9
Before eating	333	83.0	83.0
After eating	217	54.1	54.1
After helping the child in the toilet	50	12.5	12.5
Before feeding a child	59	14.7	14.7
Before preparing food	95	23.7	23.7
After coming from work/the field	75	18.7	18.7
When they are dirty	104	25.9	25.9
In the morning	63	15.7	15.7
In the evening	43	10.7	10.7
Before prayers	96	23.9	23.9

**Respondents who knows 3 out of five critical times of hand washing**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	64	16.0	16.0	16.0
No	337	84.0	84.0	100.0
Total	401	100.0	100.0	

**Respondents who knows 3 out of five critical times of hand washing \***

**Name of the area surveyed Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
Respondents who knows 3 out of five critical times of hand washing	Yes	31	32	1	64
	No	184	131	22	337
Total		215	163	23	401

**Materials used by Interviewee for hands washing**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Soap and water	313	78.1	78.3	78.3
Water and Ash	17	4.2	4.3	82.5
Water and clean sand	4	1.0	1.0	83.5
only water	66	16.5	16.5	100.0
Total	400	99.8	100.0	
Missing 99	1	.2		
Total	401	100.0		

**Latrine available in the house**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	332	82.8	82.8	82.8
No	69	17.2	17.2	100.0
Total	401	100.0	100.0	

**Where HH members go to defecate**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	HH latrine	320	79.8	80.0	80.0
	Shared latrine	39	9.7	9.8	89.8
	Open field	30	7.5	7.5	97.3
	Near the house	11	2.7	2.8	100.0
	Total	400	99.8	100.0	
Missing	99	1	.2		
Total		401	100.0		

**Methods of disposing child faeces**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No children under 5 in the house	18	4.5	4.5	4.5
	Collect and throw in the open	18	4.5	4.5	9.0
	Bury in the ground	36	9.0	9.0	18.0
	put in the latrine	322	80.3	80.3	98.3
	leave any where around the compound	6	1.5	1.5	99.8
	I don't know	1	.2	.2	100.0
Total		401	100.0	100.0	

**Methods of disposing solid waste**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Burn in the compound	58	14.5	14.5	14.5
	put in the street	53	13.2	13.2	27.7
	put in Kusha	128	31.9	31.9	59.6
	burn in the street	137	34.2	34.2	93.8
	put in the waste pit	25	6.2	6.2	100.0
Total		401	100.0	100.0	

**Latrine structure complete**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	55	13.7	13.7	13.7
	Yes	239	59.6	59.6	73.3
	No	107	26.7	26.7	100.0
	Total	401	100.0	100.0	

**Latrine is clean**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	56	14.0	14.0	14.0
	Yes	265	66.1	66.1	80.0
	No	80	20.0	20.0	100.0
	Total	401	100.0	100.0	

**Latrine is in use**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	56	14.0	14.0	14.0
	Yes	319	79.6	79.8	93.8
	No	25	6.2	6.3	100.0
	Total	400	99.8	100.0	
Missing	99	1	.2		
Total		401	100.0		

**Soap is available in or near latrine**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	56	14.0	14.0	14.0
	Yes	60	15.0	15.0	28.9
	No	285	71.1	71.1	100.0
	Total	401	100.0	100.0	

**Ebrick is available in or near latrine**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	55	13.7	13.7	13.7
	Yes	251	62.6	62.6	76.3
	No	95	23.7	23.7	100.0
	Total	401	100.0	100.0	

**Soap and water available in or near latrine**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	55	13.7	13.7	13.7
	Yes	49	12.2	12.2	25.9
	No	297	74.1	74.1	100.0
	Total	401	100.0	100.0	

**Feces in the house compound**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	109	27.2	27.7	27.7
	No	284	70.8	72.3	100.0
	Total	393	98.0	100.0	
Missing	99	8	2.0		
Total		401	100.0		

**Drinking water container covered**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	343	85.5	85.5	85.5
	No	58	14.5	14.5	100.0
	Total	401	100.0	100.0	

**Drinking water container clean**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	321	80.0	80.0	80.0
	No	79	19.7	19.7	99.8
	11	1	.2	.2	100.0
	Total	401	100.0	100.0	

**Drinking water container raised from the ground**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	155	38.7	38.7	38.7
	No	246	61.3	61.3	100.0
	Total	401	100.0	100.0	

**Area around the drinking water container clean**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	323	80.5	80.5	80.5
	No	78	19.5	19.5	100.0
	Total	401	100.0	100.0	

**Respondents store drinking water safely**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	127	31.7	31.7	31.7
	No	274	68.3	68.3	100.0
	Total	401	100.0	100.0	

**Respondents store drinking water safely \* Name of the area surveyed**

**Cross tabulation**

Count

		Name of the area surveyed			Total
		Golo	Gildo	Gurni	
Respondents store	Yes	38	77	12	127
drinking water safely	No	177	86	11	274
Total		215	163	23	401



**Interviewees has participated before in Clean up campaign**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	171	42.6	42.6	42.6
	No	230	57.4	57.4	100.0
	Total	401	100.0	100.0	

**Interviewees has participated before in Jerry cans clean up campaign**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	42	10.5	10.5	10.5
	No	359	89.5	89.5	100.0
	Total	401	100.0	100.0	

**Interviewees has participated before in community meetings**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	89	22.2	22.2	22.2
	No	312	77.8	77.8	100.0
	Total	401	100.0	100.0	

**Interviewees has participated before in Cleaning water points**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	123	30.7	30.8	30.8
	No	277	69.1	69.3	100.0
	Total	400	99.8	100.0	
Missing	99	1	.2		
Total		401	100.0		

**Interviewees has participated before in Disposal of dead animals**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	144	35.9	35.9	35.9
	No	257	64.1	64.1	100.0
	Total	401	100.0	100.0	

**Interviewees has participated before in Hygiene education campaign**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	53	13.2	13.2	13.2
	No	348	86.8	86.8	100.0
	Total	401	100.0	100.0	

# Central Darfur Umdukhun WASH Baseline Data

## **Name of the locality**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	UMD	378	100.0	100.0	100.0

## **Name of the are surveyed**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Selalay	43	11.4	11.4	11.4
	Kamjar	48	12.7	12.7	24.1
	Algantour	54	14.3	14.3	38.4
	Almatar	30	7.9	7.9	46.3
	Maradag	114	30.2	30.2	76.5
	kabar	83	22.0	22.0	98.4
	99	6	1.6	1.6	100.0
	Total	378	100.0	100.0	

## **Sex of the respondents**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	8	2.1	2.1	2.1
	Female	370	97.9	97.9	100.0
	Total	378	100.0	100.0	

## **Sex of the HH head**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	8	2.1	2.1	2.1
	Female	370	97.9	97.9	100.0
	Total	378	100.0	100.0	

**Source of the drinking water**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Well with hand pump	128	33.9	34.0	34.0
	Water tap connected from borehole	22	5.8	5.8	39.8
	Well with concrete apron	6	1.6	1.6	41.4
	Water yard	11	2.9	2.9	44.3
	traditional well	88	23.3	23.3	67.6
	Wadi	121	32.0	32.1	99.7
	Hafir/pond	1	.3	.3	100.0
	Total	377	99.7	100.0	
Missing	99	1	.3		
Total		378	100.0		

**Name of the are surveyed \* Source of the drinking water Cross tabulation**

Count

	Source of the drinking water						
	Well with hand pump	Water tap connecte d from borehole	Well with concrete apron	Water yard	tradition al well	Wadi	Hafir/pon d
Name of the are surveyed	13	0	0	0	14	16	0
	24	0	6	0	16	2	0
	5	0	0	0	43	6	0
	19	0	0	11	0	0	0
	65	0	0	0	9	40	0
	2	18	0	0	5	57	1
	0	4	0	0	1	0	0
Total	128	22	6	11	88	121	1

**Time taken by HH member to get drinking water from the source**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid less than 30 minutes	121	32.0	32.0	32.0
30 minute - 1 hour	155	41.0	41.0	73.0
1 - 2 hours	79	20.9	20.9	93.9
More than 2 hours	22	5.8	5.8	99.7
Don't know	1	.3	.3	100.0
Total	378	100.0	100.0	

**Name of the are surveyed \* Time taken by HH member to get drinking water from the source**  
**Cross tabulation**

Count

		Time taken by HH member to get drinking water from the source					Total
		less than 30 minutes	30 minute - 1 hour	1 - 2 hours	More than 2 hours	Don't know	
Name of the are surveyed	Selalay	18	15	9	1	0	43
	Kamjar	13	7	23	5	0	48
	Algantour	7	18	20	9	0	54
	Almatar	15	9	5	0	1	30
	Maradag	44	54	14	2	0	114
	kabar	24	48	8	3	0	83
	99	0	4	0	2	0	6
Total		121	155	79	22	1	378

**Respondents treat drinking water at home**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	24	6.3	6.3	6.3
No	354	93.7	93.7	100.0
Total	378	100.0	100.0	

**Methods used by interviewee for drinking water treatment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	354	93.7	93.7	93.7
	Filter by cloth - screen - sand	18	4.8	4.8	98.4
	Boiling the water	1	.3	.3	98.7
	Solar use	1	.3	.3	98.9
	use chlorine	4	1.1	1.1	100.0
	Total	378	100.0	100.0	

**Respondents attended hygiene education during the last year**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	53	14.0	14.0	14.0
	No	325	86.0	86.0	100.0
	Total	378	100.0	100.0	

**Member of the HH suffered diarrhea in the last 3 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	250	66.1	66.1	66.1
	No	128	33.9	33.9	100.0
	Total	378	100.0	100.0	

**Name of the are surveyed \* Member of the HH suffered diarrhea in the last 3 months Cross tabulation**

Count

		Member of the HH suffered diarrhea in the last 3 months		Total
		Yes	No	
Name of the are surveyed	Selalay	25	18	43
	Kamjar	38	10	48
	Algantour	30	24	54
	Almatar	15	15	30
	Maradag	86	28	114
	kabar	53	30	83
	99	3	3	6
Total		250	128	378

**HH member who has suffered diarrhea in the last 3 months**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	128	33.9	34.1	34.1
	Man	13	3.4	3.5	37.6
	women	51	13.5	13.6	51.2
	Child	183	48.4	48.8	100.0
	Total	375	99.2	100.0	
Missing	99	3	.8		
		378	100.0		

**Respondent doesn't know the causes of diarrhea**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	209	55.3	55.3	55.3
	No	169	44.7	44.7	100.0
	Total	378	100.0	100.0	

**Causes of diarrhea mentioned by the respondents**

	Frequency	Percent	Valid Percent
Not washing hands	73	19.3	19.3
Flies	47	12.4	12.4
worms	7	1.9	1.9
Dirty/uncovered food	36	9.5	9.5
Dirty/uncovered water	61	16.1	16.1
Sickness comes from God	26	6.9	6.9
Breastfeeding	10	2.6	2.6
Overeating	22	5.8	5.8
Malaria and other sickness	17	4.5	4.5

**I don't know how to prevent diarrhea**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	213	56.3	56.3	56.3
	No	165	43.7	43.7	100.0
	Total	378	100.0	100.0	

**Methods mentioned by the respondents for diarrhea prevention**

	Frequency	Percent	Valid Percent
Keep food covered	112	29.6	29.6
Clean raw food before eating	37	9.8	9.8
Hands washing	68	18.0	18.0
Drink water from hand pump, tap or treated water	24	6.3	6.3
Store water in covered container	22	5.8	5.8
Use latrine and keep it clean	10	2.6	2.6
Proper disposal of solid waste	14	3.7	3.7
Prevent flies	25	6.6	6.6
Exclusive breastfeeding	3	0.8	0.8
Good personal hygiene	9	2.4	2.4
Proper disposal of children feces	9	2.4	2.4
Diarrhea can't be prevented	9	2.4	2.4

**Times respondents washes his/her hands**

	Frequency	Percent	Valid Percent
After using a toilet	44	11.6	
Before eating	301	79.9	
After eating	231	61.1	
After helping the child in the toilet	29	7.7	
Before feeding a child	9	2.4	
Before preparing food	52	13.8	
After coming from work/the field	41	10.8	
When they are dirty	27	7.1	
In the morning	107	28.3	
In the evening	92	24.3	
Before prayers	193	51.1	

**respondents knows 3out of 5 critical times for hands washing**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	6	1.6	1.6	1.6
No	372	98.4	98.4	100.0
Total	378	100.0	100.0	



**Materials used by Interviewee for hands washing**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Soap and water	274	72.5	72.9	72.9
	Water and Ash	6	1.6	1.6	74.5
	Water and clean sand	2	.5	.5	75.0
	only water	94	24.9	25.0	100.0
	Total	376	99.5	100.0	
Missing	99	2	.5		
Total		378	100.0		

**Latrine available in the house**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	30	7.9	7.9	7.9
	No	348	92.1	92.1	100.0
	Total	378	100.0	100.0	

**Where HH members go to defecate**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	HH latrine	20	5.3	5.4	5.4
	Shared latrine	27	7.1	7.3	12.6
	Open field	323	85.4	86.8	99.5
	Near the house	2	.5	.5	100.0
	Total	372	98.4	100.0	
Missing	99	6	1.6		
Total		378	100.0		

### Methods of disposing child faeces

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No children under 5 in the house	3	.8	.8	.8
	Collect and throw in the open	109	28.8	29.0	29.8
	Bury in the ground	150	39.7	39.9	69.7
	put in the latrine	42	11.1	11.2	80.9
	leave anywhere around the compound	71	18.8	18.9	99.7
	I don't know	1	.3	.3	100.0
	Total	376	99.5	100.0	
Missing	99	2	.5		
Total		378	100.0		

### Methods of disposing solid waste

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Burn in the compound	45	11.9	11.9	11.9
	put in the street	199	52.6	52.8	64.7
	put in Kusha	86	22.8	22.8	87.5
	burn in the street	38	10.1	10.1	97.6
	put in the waste pit	9	2.4	2.4	100.0
	Total	377	99.7	100.0	
Missing	99	1	.3		
Total		378	100.0		

### Latrine structure complete

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	344	91.0	91.0	91.0
	Yes	17	4.5	4.5	95.5
	No	17	4.5	4.5	100.0
Total		378	100.0	100.0	

**Latrine is clean**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	344	91.0	91.5	91.5
	Yes	10	2.6	2.7	94.1
	No	22	5.8	5.9	100.0
	Total	376	99.5	100.0	
Missing	99	2	.5		
Total		378	100.0		

**Latrine is in use**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	344	91.0	91.0	91.0
	Yes	25	6.6	6.6	97.6
	No	9	2.4	2.4	100.0
	Total	378	100.0	100.0	

**Soap is available in or near latrine**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	344	91.0	91.0	91.0
	Yes	2	.5	.5	91.5
	No	32	8.5	8.5	100.0
	Total	378	100.0	100.0	

**Ebrick is available in or near latrine**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	344	91.0	91.0	91.0
	Yes	3	.8	.8	91.8
	No	31	8.2	8.2	100.0
	Total	378	100.0	100.0	

**Soap and Ebrick is available in or near latrine**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not applicable	344	91.0	91.0	91.0
	Yes	1	.3	.3	91.3
	No	33	8.7	8.7	100.0
	Total	378	100.0	100.0	

**Faeces in the house compound**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	89	23.5	24.6	24.6
	No	273	72.2	75.4	100.0
	Total	362	95.8	100.0	
Missing	99	16	4.2		
Total		378	100.0		

**Drinking water container covered**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	160	42.3	42.9	42.9
	No	213	56.3	57.1	100.0
	Total	373	98.7	100.0	
Missing	99	5	1.3		
Total		378	100.0		

**Drinking water container clean**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	134	35.4	36.2	36.2
	No	236	62.4	63.8	100.0
	Total	370	97.9	100.0	
Missing	99	8	2.1		
Total		378	100.0		

**Drinking water container raised from the ground**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	124	32.8	33.1	33.1
	No	251	66.4	66.9	100.0
	Total	375	99.2	100.0	
Missing	99	3	.8		
Total		378	100.0		

**Area around the drinking water container clean**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	167	44.2	44.9	44.9
	No	205	54.2	55.1	100.0
	Total	372	98.4	100.0	
Missing	99	6	1.6		
Total		378	100.0		

**respondents store their drinking water safely**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	63	16.7	16.8	16.8
	No	311	82.3	83.2	100.0
	Total	374	98.9	100.0	
Missing	99	4	1.1		
Total		378	100.0		

**Interviewees has participated before in Clean up campaign**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	46	12.2	12.4	12.4
	No	325	86.0	87.6	100.0
	Total	371	98.1	100.0	
Missing	99	7	1.9		
Total		378	100.0		

**Interviewees has participated before in Jerry cans clean up campaign**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	64	16.9	17.3	17.3
	No	307	81.2	82.7	100.0
	Total	371	98.1	100.0	
Missing	99	7	1.9		
Total		378	100.0		

**Interviewees has participated before in community meetings**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	31	8.2	8.4	8.4
	No	340	89.9	91.6	100.0
	Total	371	98.1	100.0	
Missing	99	7	1.9		
Total		378	100.0		

**Interviewees has participated before in Cleaning water points**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	27	7.1	7.4	7.4
	No	338	89.4	92.6	100.0
	Total	365	96.6	100.0	
Missing	99	13	3.4		
Total		378	100.0		

**Interviewees has participated before in Disposal of dead animals**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	12	3.2	3.2	3.2
	No	359	95.0	96.8	100.0
	Total	371	98.1	100.0	
Missing	99	7	1.9		
Total		378	100.0		

**Interviewees has participated before in Hygiene education campaign**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	25	6.6	6.7	6.7
	No	346	91.5	93.3	100.0
	Total	371	98.1	100.0	
Missing	99	7	1.9		
Total		378	100.0		